Electronic appts. determining blood clotting factors - uses comparison of unknown and standard peak amplitudes by differentiating detector output

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Patent Family

Patent Number	Kind	Date	Application Number	Kind	Date	Week	Type
DE 2635081	A	19780209				197807	B
CA 1062501	A	19790918				197940	
GB 1553713	A	19791003				197940	
DE 2635081	B	19791115				197947	

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Abstract:
DE 2635081 A

The appts. determining clotting factors in blood plasma consists of a specimen cell held between a light source and photo-detector. The output of the detector is differentiated. In this way the clotting properties over a certain time period are determined. A second differentiation is carried out. The output of this stage is fed to a comparator.

The activity level is determined from the logarithmic function of the peak amplitude of the first time derivative of the optical density of the sample. The appts. is first calibrated using a standard blood sample. The unknown sample is then inserted and, by comparison with the standard, a percentage activity level for a particular factor, e.g. Fibrinogen can be determined.